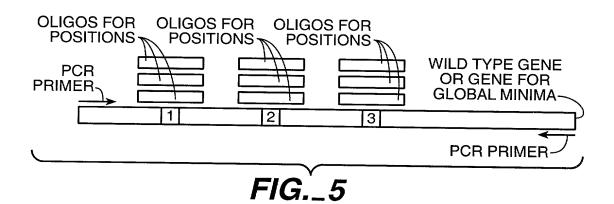
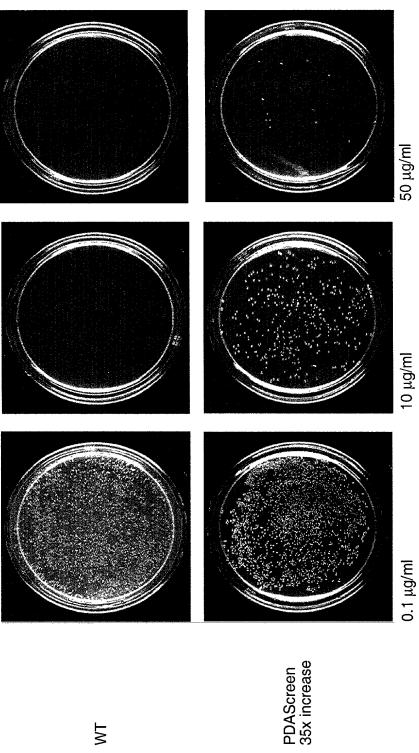
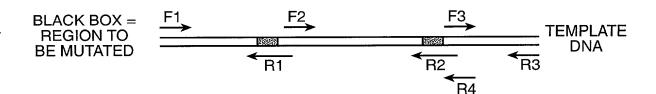


FIG.\_3



\_\_\_





STEP 1: SET UP 3 PCR REACTIONS:

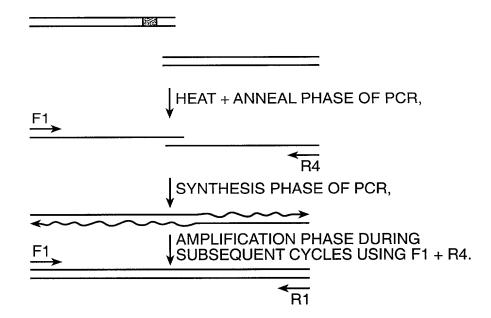
PRODUCTS:

TUBE 1: \_\_\_\_\_\_

TUBE 2:

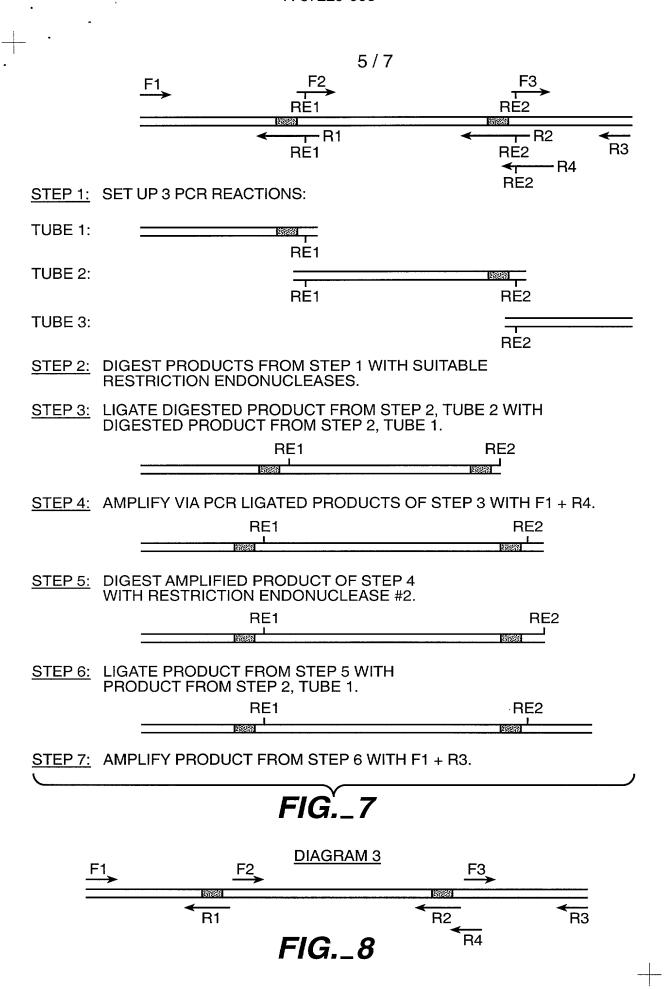
TUBE 3: \_\_\_\_\_

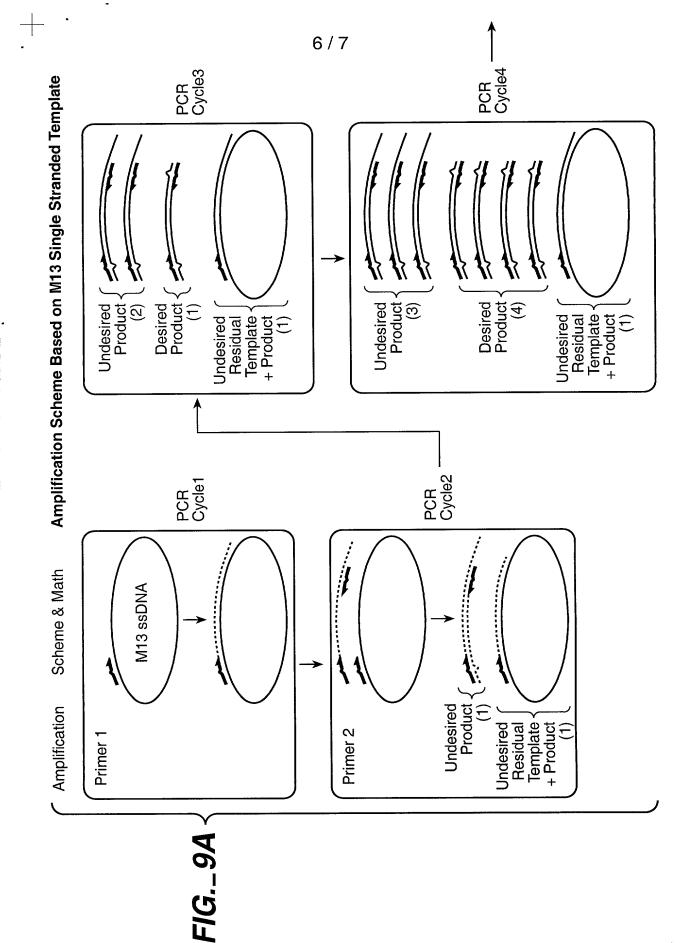
STEP 2: SET UP PCR REACTION WITH PRODUCTS OF TUBE 1 + PRODUCTS TUBE 2 + F1 + R4.



STEP 3: REPEAT STEP 2 USING PRODUCT FROM STEP 2 + PRODUCT FROM STEP 1, TUBE 3 + PRIMERS F1 + R3.

FIG.\_6





+--

Numerical Progression of Desired Product with Increasing PCR Cycles

Amplification Scheme Based on M13 Single Stranded Template

Percent Desired Product in Total Product		%00.0	25.00%	20.00%	%52.89	81.25%	%90.68	93.75%	96.48%	%50.86	98.93%	99.41%	%89.66	%8366	99.91%	%36.66	%26.66	%66.66	%66.66	100.00%
Undesired Products and Residual Template	<b>,</b>	2	3	4	5	9	2	8	6	10	11	12	13	14	15	16	17	18	19	20
Desired Product		0	Ţ	4	11	26	25	120	247	505	1013	2036	4083	8178	16369	32752	62219	131054	262125	524268
PCR Cycles	-	7	က	4	വ	9	7	8	တ	10	=	12	13	14	15	16	17	18	19	20

PCR Cycle5 Undesired Product < Desired Product → (11) Undesired Residual Template + Product (1)